

Rush's Lecture

Philadelphia 1811 & 1812

16 May 1812

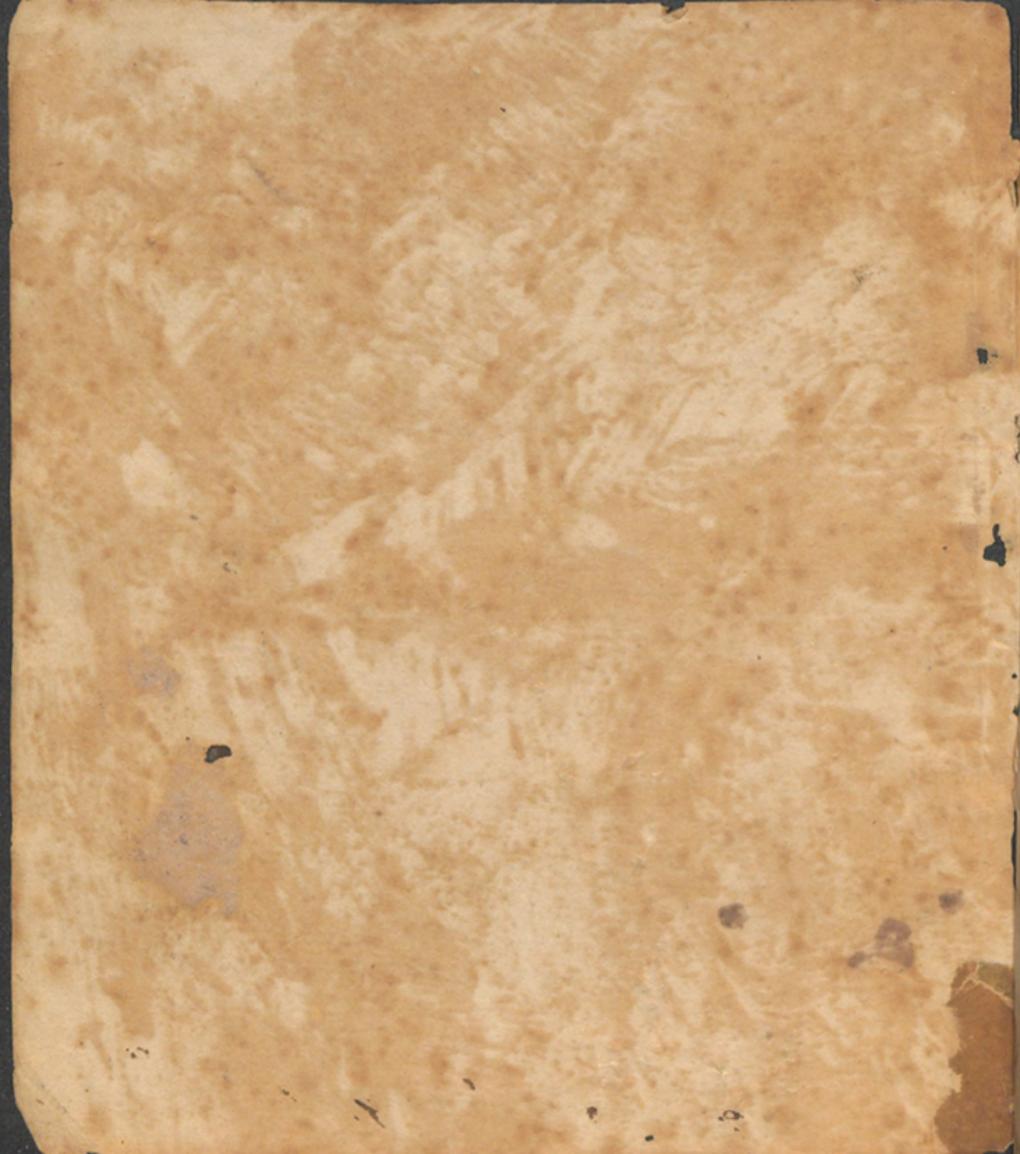
John C. Woodbury Peter P. Woodbury

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Jeffrey



A Bath plug Thing



On the Pulse.

Dr. Rush distinguishes between a weak pulse and a depraved one, also ~~the~~ two ones. A weak pulse has not that tension, it does not intermit so much as soft while the other is hard and depraved, pulse is small and hard more intermitting, and shows what Dr. Rush calls a suffocated excitement.

Animal life is a forced state is acted upon by sedatives and by stimuli, the sedative diminishes directly the vital principle and stimuli increase it different materials have different stimuli, The professor agrees with Dr. Braden says his ~~doctrina~~ is founded on nature, it was taught or we may say ~~doctored~~ understood the same principle. There is no such thing as innate idea, but an innate capacity acted upon stimuli, that man is a machine that he exist by force and even in spite of himself, he enumerates

various stimuli, which act upon differ-
-ent nations, which keeps the being in
existence, those which act upon the
people of the United states are the love
of liberty, where pure and ~~national~~
^{national} liberty is enjoyed the inhabitants live
the longest, for instances the state of
Connecticut, the love of money the
love of power, the love of fame &c &c.

Sectd. Animal heat. —
It is the same in all clamates and
has been the same in all ages whether
he exist in the Tropid, frized on a
temperate zone, In man greater than
woman, in children greater than in
advanced age, heat is less in old age.
The heat in the lungs is one degree
greater than in the rest of the body it
is sometimes below and sometimes above
ninety nine degrees. —
The causes of heat are combustion friction

perusion, fermentation, Electricity. The lungs
are the fine place from whence the
whole system becomes heated, the structure
of the lungs is ~~it~~ well disposed to such an
action, they contain air cells, Heat is in
proportion to the size of the lungs. —
It is supposed that forty cubic inches of air
is necessary to expand the lungs, Animal
Heat is in birds greater than in man,
it is above an hundred and eleven degrees,
in creeping animals it is less, thus says a
traveler that the ladies in Spain on a hot
summer day often carry toads in their
bosom that they may be cool, The heat
in the right ventricle of a dog was ~~37~~
the left 37 degrees. Dr. Black does not
agree with Dr. Black and the French
Physicist, that respiration is exclusively
necessary for animal heat, that is, it is
not the only cause of heat in the system
The lungs are only one degree
greater than the body which ought to

be much more considerable, if the whole system receives its heat thro' the medium of the lungs alone. The Dr. quotes two or more instances, where the heat contr. after death has taken place, for four days, respiration constantly ceased, the heat was greater in it. First taken off, certainly the arterial action could not be so great, immediately after the amputation had taken place, The anastomosing arteria could not soon convey an equal quantity of blood. In old age the heat less, the respiration the same, certain sounds increase the heat, light increases heat.

Warm air is a stimulant, and passion increased the heat. Bleeding, Hanging lessen the animal heat. The heat of the system is less in old age, for the stimuli cease to have so great an effect upon it. The heat of the system is often unequal, that is there is a greater degree

of excitement in one part than in another
the head is the hottest, it is not then
that animal heat taken ^{blow} by the decom-
position of the atmospheric air alone, by
which the colic is set at liberty, but
a combination of the above enumerated
causes before mentioned.

Sec. 3. - - -

A case of Rheumatism, Chemical reports, Green
Tincture jalap 15 Gr. gamboge 1 Gr. Siler 15
to reduce the pulse, or 12 Gr Siler, and one Gr.
Santarematic given three times daily, a small
dose once in two hours. Given but 3 times daily
in chronic diseases, You should prescribe for the
froidity position both before, and after the complaint
appears cured. For a Phlyctate makes use
of the root of Town 10 Gr. Ginger 2 $\frac{1}{2}$ Gr.
Columbo 2 Gr. - - - - -

Dr. How did not attend to this lecture
as he ought. - - -

Lecture 4. This lecture, Dr. Rush mentioned
the general circulation of the blood. —
Large tumors are supplied with blood
by arteries, Power which move the heart
are first, an inherent power, in itself,
which Huber calls *vis insita*, the other
a specific action, which derives its influence
from the brain, Arteries possess a monopoly
of innatality, many argument are
adduced to support the assertion it depends
on this principle, that blood ceases to flow,
if you apply a stimulating application to
a bleeding vessel such as a caustic or the like. —
Tumptine, skins are the continuo^s of the
blood vessels, they return the blood to the heart,
The use of the plun was shewed. For all
violent exercise of the body as undunial quantity
of blood is thrown out of the heart, this
would occasion a rupture of vessels unless
there was some friendly reservoir which would
stop its progress, it contains one great artery
and numerous veins, and is so interspersed with the

so that it is capable of containing ~~3 or 4~~^{the} pds.
of Blood, without increasing its size, in all
violent exercises of the muscles, such as laughing,
running, a pain will most generally take place
in the left side, this ^{is} owing to the distension
of the spleen by blood, here we often put up
our hands upon our sides in laughing, after
running &c. In malignant fevers, the
spleen was found by Dr. Johnson of Jamaica
to be distended ^{with} ~~grumous~~ blood and enlarged in
size, also in those of the intermittent kind,
the patient could always tell when the
exacerbations was about to take place by
the pain in the side, at first then an enlarge-
ment would take place, which could be flu-
ently perceived. In fine says the Dr. this
long neglected and even insulted viscus is of
the first importance, could the brain speak
on the heart cry out while it reproaches
us for part neglect, and insult would
declare the spleen as important as the
eye, or the ear.

Lecture 5. Further observations on the general circulation of the blood, in the spleen, & the brain and ~~on~~ the brain, its shape, size, compared with brutal creation. Dr. proceeded to speak of the thymus gland, it owes the same purpose to the lung that the spleen does to the general system, it is a waste gate, a reservoir for containing all the surplus blood, which is often thrown from the lungs in all violent actions in those viscera, this gland grows up as we grow old, the circulation then becomes irregular and is not subject to those irregular actions, which during our growth takes place, It is owing to this gland, which acts as an assistant to the lungs, that the pulmonary consumption, takes place after the age of twenty, it very seldom takes place before - - -

Lecture 6. Observation on the Brain and nerve, ^{the} brain contains a much larger proportion than bone and it is owing in some measure

to the size of the Brain, that our abilities
are more or less transcendent. It is the
the origin of the nerves, a certain influence
is transmitted from it, to the nerves and
a sensation from extremities of the nerves to
the Brain. All sensation is derived from
the Brain. A violent Stimulus ~~sensation~~
occasions a prostration of sensation, the skin
has became insensible, even to caustic appli-
cation, and loses the power of feeling the
impression of foreign bodies, he contained the
lecture upon the nervous system. — — —

Lecture 7. Continuation on the nervous system.

The Brain is the reservoir of the nervous influence,
the muscles are moved by a power peculiar to themselves
that is they act ~~for~~ part by a power inherent
in themselves, and in part ~~in part~~ by an influence
exerted upon them by the Brain. The Dr. denies the
existence of voluntary motions, asserts that all motion
were at first involuntary, thus the air rushing into
the lungs occasions pain, all voluntary motion are
acquired by habit, thus respiration is involuntary,
yet by habit we can cease to respire for considerable

time, that we live by force, and that our motions
are involuntary. The Dr. produces a curious argument
he imports he, came to, the Lecture Room by force, that
the air entered into lungs & propelled them into action,
the action of lungs put the heart in motion, the heart,
and the Brain, a sense of duty excited the will, the
will the muscles, and the muscles carried on rather conveyed
him, he says, by force to his chair, The Lecture was con-
cluded by saying much upon sympathy and habit
which we may find observation similar in Darwin
& Scroonend.

Lect B. Continuation on sympathy, he divides ^{it} into
reciprocal and non reciprocal, the former takes
place, when the parts mutually sympathize with each
other, as is the case of the stomach and the Brain,
the latter when a disease is transform from one part
to another, but not vice versa, also continues and
continues the form it's union with its origin is not
decocent as in the never, as the latter were the
parts situated near each other as the abdomen &
peritoneum.

Lect 9. On this Lecture the Dr. spoke of the functions of the Brain viz. Hearing, Seeing, Tasting Smelling, and of Touching. Firstly the touch, this resides mostly in the extremities of the fingers, the lips, & the end of tongue, it is this faculty we possess in an eminent degree above the brutal creation, which conspire in a great measure to render us so much more superior. This may be much improved by practice and it is ~~essentially~~ necessary that it should be to the Physician. In — — —

Lect 10. This Lecture the Dr. gave a physiological disquisition together with an anatomical description of the eye and vision. — — — — —

Lect 11. Was upon smelling and tasting as there was nothing practical. I shall make no extracts.

Lect 12. Continuation on the senses there all ought to be possessed in an accurate degree by Physicians, to be able to distinguish accurately every feature in the sick patient. He spoke on the mind & soul, said Physicians ought to be metaphysicians. He spoke of immortality & the properties of the soul. He Dr. — —

Lect 13. Dr Rush divides the mind into
Instinct, Memory, imagination, understanding,
will, passion, and the principles of faith. Dr insto
he disagrees with Dr Darwin, it is a principle im-
planted within us by which we distinguish objects
without the aid of reason, as we increase in years.
Understanding resume the sway, we have less need
of it, and the principle becomes almost inert. —
Those persons who possess any one of the above faculties in
a remarkable degree, generally suffers a diminution of
the other faculties in a ~~proportion~~ relative proportion.
He considers the soul as immaterial, altho. he thinks it
not repugnant to Christianity if material, it
cannot act but concert with the body, to which it
is joined by ~~justa~~ position. it sleeps till the res-
urrection. This became Dr. Howe's ag was most
beautiful and, contained many facts and practical
observation. — — —

Lect 14. Continuation on the moral faculties,
on which he gave a ingenious lecture. —
Lect 15. Still on the operation of the mind he
began with sleep, he treats it a temporary com-

It is necessary that the sleep may be sweet and
refreshing. That muscular, the nervous, and Sanguiferous
powers, should ^{be} at a equal state of excitement,
and that ~~neither~~ it should be ^{neither} above or below the
sleeping point, if the heart and arteries should be above
the sleeping point, bleed your patient, if the mus-
cular see exertions, if the nervous, conversatin, and study,
if below wine, For the muscular ^{walking} ~~the~~ Will, be-
recolled by the fixed giam, and Sanguiferous by
the Oil of Amber. Sleep takes place as the
exerting causes are more & more applied, and the power
to use the works of the Dr., are more on the Slumber.

Lect. 16. When sleep comes too suddenly it occasions
a starting which would not take place if its
approach was gradual. The system ^{is} weaker in
sleep than when awake, hence debilitated patients
should not be directed to walk much much
before breakfast, Dreams are not natural
there is a morbid excitement in some of the
powers of life, 6 or 7 hours is sleep enough for
any person in Health, Diseases often take place
in the night, owing to the diminuation of the

powers of life, then the system is weaker. --

Lect. 17. The imagination in dreams is uncom-
bined, the sensual appetite is increased. The reason
we never dream of an object or a person by
whom we were much interested, except in the
beginning or decline of that interest, it is because
by thinking of the object intensely in the day,
that the imagination becomes exhausted. — — —

There is no more possibility of truth in dream
than in thoughts, while in waking hours; we
think in our waking moments, so we dream
in our sleep. why should we ^{think} dream more
minus, than our daily thoughts. we may always
remember our dreams by keeping our eyes shut
and remaining in the same situation, — — —

Haller wrote poems in ^{his} sleep, Sleep is a disease
set in the brain, and in the blood vessels,
Sleep is an important article in the mate-
ria, Sleep dissipates the cohesion of thoughts,
if it were not so we should be madmen, it
is allied to vice, hence when we awake the
impressions which ~~were~~ was strong in the evening.

becomes weakened in the morning, Dreams are
a necessary stimulus to prevent disease, they
keep off diseases. - - - - -

Lect. 18. Debility is the predisposing cause of humor,
as it is a morbid action occasioned by previous
debility. Sedatives reduce the excitement below
the healthy point, while stimulants raise it above.

^{Fungus} Enteric material is a bad symptom in Fever a
want of thirst is also a bad symptom,

We should always masticate our food well, as
digestion goes on better, The stomach is the
^{indept} reservoir of the system, A total relaxation of the
mind is necessary for digestion, You should not
often and sleeping would not take place.

Lect. 19 Dr. How says this lecture was not
well remembered, yet it was on the liver, the
hepatic bile is necessary to convert chyle into
blood, that Diastates Phyllitus, from a similar
state of the liver not from the kidneys, For
a particular account of his new theory see
his son inagurate dissertation B.L.A. museum

Sept. 20. This lecture was on the Blood
The Globina coagable Sympath is the living
principle in the blood, it differs only
from the living solid in its different degrees of texture, Thus said 'globules' are
not essential to life, as some animals are
without them, that serum serves as a gravy
to the rest of the Blood, That the life
of the Blood is destroyed by too great an
increased action of the Bloodvessels, tearing
and rending it asunder, — — — —

Any cause which produce a certain
increased action of the Bloodvessels, produce a
buff, a still greater action a membrane
differing in no degree from the living solid,
and still further degrees the Blood becomes
dissolved, hence the blood of women in pregnancy
nearly exhibits an inflammatory buff. Thereupon
there is a disease, A child is born in a disease,
The bite of a viper must come in contact
with a particle or more blood, he communicates
to the whole system, by sympathy of continuity

before death takes place, you must bleed when
when the actions of the heart and arteries
are too ~~too~~ ^{the great,} touch. too little. —

Lect. 21. This Lecture the Dr. related

experiments of Roseau and Clap to prove
that the skin has no absorbents brought
fourth arguments to support his theory
He continued his Lectures upon Sympathies

Lect. 22. The secretions were the subjects of the
is enough the

Lecture, The structure of the glands produce
^{different action of the gland.} different results, Rush supposes there is trans-
lating fluid, from one part of the system to an
other, Eleven different kinds of matter enter
into the Urine, You must bleed fat,
less than lean people, — - - - -

Lect. 23. Respiration, is increased by exercise,
it is more in some climates than in others, The
daily quantity of perspiration in the United
States was above 40, ³ Then is a constant
sympathy between the skin and the bowels, when
the actions of the bowels is diminished perspiration is

increased ~~it~~ it becomes changed by disease &c acid
Saline & yellow, it resembles urine it becomes
bloody as different diseases affect the system.
Nutrition Cullen says, is caused on by
means of the means Haller & Rush by the
arteries the heart and arteries are formed
first, the blood acting on the heart arteries,
they on the Brain ^{& the Brain}, reacting upon the heart
and arteries. A fact is related that cutting
off the nerve of a limb, and it was not
diminished in size, the system derives its
nourishment from the blood. -

Part 24 Circumstances of the body of

Females. The Cuticle is more soft and smooth
than in men, the lymphatic, more active, the
liver ^{larger}, peritoneal life ^{longer}, Local pulse
wider, retain the urine longer, inspiration
move the thorax more, the abdomen less,
there is a natural difference between the
minds of females and males, in understanding
less in indigation less in woman, except in

the memory of words, but not in ideas, Superior
to men in taste, The moral faculties more
acute, more devout, more kind & less. more
charity, less benevolence, less forgiving they afford
pleasure in middle life, support old age,
are more resolute -- have quicker conception,
have more fortitude, quicker in judgement,
less courage, more given to despair, they
communicate all secrets, but their own,
men their own, more vindictive, a want of
venosity, less given to reverence, and more
delicate, it is in the society of the females that
men become accomplished, the difference
between the powers of the male & female is
original, not by Education, Monthly discharge
take place different times, In these states
about the age of 14. The menses occurs in
old age. like the teeth. it is an effort
of the system to renew itself. Some women
menstruate during pregnancy. it is from
the vagina that the discharge is secreted,

It is often more necessary to bleed during the menstrual discharge than it would be in the disease if the menses had not appeared. —
A woman is ^{more} liable to an inflammatory disease, previous to menstruation, than men. The menses is a translation of Blood to the Uterus, it is a hemorrhage or spitting of blood from the Uterus, Conception has taken place, when the discharge has not made its appearance, The menses in woman are necessary to constitute the divine for venery. 33 in an hundred women conceive immediately after menstruation has ceased. —

Lect 25. This Lecture was on conception, He related different theories, but as nothing is known certain, I shall make no extract, It is a fact which ought to be known to Physicians that a living child has been born in five months from after conception has taken place, and other at six, and seven, and all have lived to the common age, — from Dr. Hersey —

Lect 26, Stimulants and drinks are the causes of many diseases. the best Physicians and the most popular are those, who attend to the diet. Man was created a civilized being, and he became savage by want of education. It is a common remark that a white man becomes an Indian sooner than an Indian becomes a white man. Animals were created for the use of man his diet ought to consist of it combine with vegetables. Such however is the constitution of man, that its conform to almost any situation. Man is a omnivorous animal. Dr Rush mentioned a man who eat nothing but Buffalo for three years, yet he enjoyed good health. Much of our diet was discovered by accident, yet accident is a species of revelation. Animal food disposes to malignant disorders, Vegetables alone to the skin or disease of the skin. Animal acts on the stomach and on thy tongue. The potatoe posesses one third of the nourishment of flower.

Cynal parts of Clover makes the best
paste for an apple dumpling for the
sick. The potatoe may be kept a long
time by putting it into an oven heated
to the degree of destroying the vegetative
principle. Turnip is a very good article
of diet for the convalescents, Turnip is also
a good vegetable, it is improved by putting
it over the firedions over the fire after it
is boiled. Cabbage is indigestible food, it
will digest better by putting it into warm
water the night before you boil it. —

Onions are a good article of diet for laboring
men. The French vegetable broth consists
of one part onions and two parts of potatoes or
any other of the vegetables. The Chineas
make bread of Beans, pound them, then
add water wine then, pore off, then bake,
Bumpintime 3 drops destroys the smell of the
wine or Tares after eating of vegetables.

(If you want to fatten a horse give him boiled
potatoes, If you want him to work well,
raw ones, Students convalescence, and those who
live an easy life ought to take those things, which
digest most easily while a man who labours
ought to eat that kind of food which will
not digest easily as the stimulus of it will
continue longer. - - -

Just R. Fish is a good alimentary substance.
Fresh water fish are more easy of digestion, than
salt water fish, Lobsters are the least nourishing
of any flesh, Females of cattle animals
are more easy of digestion than males, The cur-
-rion is most easy of digestion, The legs of wild birds
are more easy of digestion, than the wings. -
Animals soon fattened are not so good as those
which fatten at leisure, & trimmets are
not so good in the Spring, at the time of
venereal organs, Sheep which live on
mountainous situation are better ^{meat} than those
which live on the low lands, The Romans
examined the liver, & if found in animal healthy
concluded its situation to be a healthy one, Grapes as best

warm up sooner. A broth is more easy of digestion
for being thinner, The Indians ^{are} not so
strong as the white men, because they
subsist upon ~~meat~~^{meat} wild animals, which
are not so nutritious as domestic,

The best blood comes from an animal
the more easy of digestion, Broth is not so
easy of digestion as Beef, hence the Donkey is
better for laborers, The longer kept the
animal is more easy of digestion, The flesh of
animal starved before killing will keep better.
So keep meat put ^{into} cotton, with a chconomy
to it, or in an Ice house & it will keep ^{but}, it will
keep in cold water, but should be ^{now} immediate
after taken out, Sonnenroed its in lime water
or covered with carbon with rest broken fine
- trapedized animal substance, Thunder and
lightning will hasten putrefaction, Meat that
is well done digest best, broth should form
the first dish, but always take off the
fat, So make Essence of Beef, put one
lb of Beef into a ging with a little water cork
it tightly and let it in a pot three or four hours

There will be about half pint of juice which
will be excellent for sick people. To have
a good beef stake broil it quickly. —
boiled fowls are more easily digested than
roasted, we may tell when fowl are boiled
enough, they rise to the top; when done too
much, they sink to the bottom again.
Whether half roasted, than boiled is much
improved. Eggs will keep dipp'd in beer
west on in oil. — — — —

Leit. A.R. To make wine whey. Boil
with thin turn'd wine to it, One dram
Santuar half an ounce to one quart of milk.
(The best.) Vessels for cooking are made of
Earth and Iron. Many disorders arise
from cooking in Copper. — — — —

Directions how to use cold water, when
heated wash your face and hands before
you drink any. Warm water will quench
thirst, better than cold. Never drink
cold water as you go to bed. The stomach
& like the conscience, it does not relish

us in our youth, but it is sure to revenge us in old age, & vinegar and water was the only drink of Roman Army. Drink water at meals, Bread and beer is the food of the poor people in England, one pt of Beer to twelve pts water half pint of honey. He spoke eloquently again the use of Undent Spirits and Tobaccoes,

Lect. 2d. Pathology is that science, which treats of the causes, effects and seat^{of} Syms of diseases, Diseases consist in the confused disorderly and irregular action of the whole, or a part of system. The causes of disease are derived into remote, predisposing, exciting, and proximate, The remote are way which excite debility, which ^{Doubtless} is the predisposing, whatever acts on the the predisposing is the exciting, The proximate cause is the disease itself, The Dr. disapproves of animal ~~thirst~~ Economy in temperaments. He divides the Economy into nine systems one of which is more liable to disease than

the others, The Sanguiferous, this he subdivides
into Pulmonary & uterine ^{2nd} Hepatic, ^{3rd} Cardiac,
^{4th} Muscular, ^{5th} Cephalic, ^{6th} Rhonitis & the
Alimentary, ^{7th} Lymphatic, ^{8th} Cutaneous.

The Predisposition is applicable to mon-
ads, it is changed into disease 8 months, hence
he disapproves of Capital Punishment,

the healthy point he places at 50. So
great a stimulus applied will raise the
system above the healthy point ~~by~~ to
a still greater degree of morbid excitement
carry it, round the excited point 50 -
down to 40, this he calls the suffocated
point, an abstraction of morbid excitement
will reduce the system down to 60, --
you must distinguish between an elevated
excitement, and morbid excitement and
between ^{a debilitated} point and depressed point, Morbid
excitement if ~~not~~ always a partial
at first, there is but one in - and that is
the low.

Lect 30. Elevated exsternment after preced
diseases which must be removed by bleeding
or a cathartick you should remove debility, the
predisposing cause by stimuli. Aspiration is not
to draw you should remove by bleeding, pre-
ternatural exsternment removed by
Purging, The Dr. believes in the Purity
of disease. Dr. B.

Lect 31. The viscera possess less sensibility,
than the other parts of the Body or
System, The countenance exhibit more
certain signs in children than in old age,
we must prognosticate from the general
state of the body, from certain ~~contusion~~
peripneustis, from conversation, from the
sensation of keeping under the skin, from
restlessness, when there is no pain in
the ~~limbs~~ limbs and back it is a ^{bad} symptom
The pulse is above 60 in health more
frequent in females & children, than in men

Lect 32. This lecture was on the pulse.
He directs that a great degree attention
must be paid to them, Also to every sym-
-tom, He distinguishes a number of kinds
of pulse, which may be seen in his
Inquiries. -----

Lect 33. A further continuation on the
Pulse. It is often suffocated in one part
of the system, while it continues regular
in another, Blood sometimes shows an
inflammatory buff in one part while it
is absent in the Blood of another part,
Hot and dry summers, are the most
healthy, disease arises from moisture, There
is always moisture in the atmosphere,
in the driest seasons the salts of Tartar
will deliquesce, diseases in dry seasons are
inflammatory. -----

Section B. On the influence of heat, and
cold, in producing disease. Cold and
moisture produces fine complexion, Cold
partially applied produces disease while
the general application does no injury.
Warm climates are in general more healthy
than Temperate, A man who lives in
the West Indies two years generally escapes
the yellow fever, Typhus ~~fever~~ ^{pyrexia} generally
follows a cold winter, Cold acts directly
as a sedative, It causes a disease by ~~extremely~~ ^{abstractive}
excitement, When too long applied it prevents
reaction, It is calculated that 3 women die
of the consumption, to one man, owing to
their thin dress, which does not defend
them from the cold, The morbid effect
of heat is much increased by moisture
and still more deleterious, when the air
passes over putrid exhalation, the Putrid is not
of excretive origin always kept warm in the winter

Part 35. Moisture increases the morbid effect
of cold on the body, ^{as} it acts more on old peo-
ple than young, more when asleep - - - -

It may be considered as the exciting cause
of most diseases, It is the greatest physical
enemy to man, Were man to live with
reason, he would live longer, Air is found
in the blood, Blood discharged air in the
stomach in certain diseases, The East winds
are most moist because they comes across the
Atlantic, Winds and storms says midwives
produces pantaetion, - - - -

Diseases of the winter spend themselves in
June, Diseases of the summer spend their
several in February, In England they have
nine months of moist weather, and in ^{America} they
have nine months of dry weather, - - -

There sides of a consumption in Philadelphia
 $\frac{1}{2}$ of all diseases, in New York $\frac{1}{6}$, in Boston
 $\frac{1}{4}$, It is healthy when the wind blows from
the South west or west, - - -

Part 36. The morbid effects of the air
is divided into sensible and insensible,
Sensible Heat moisture, rarity and Density,
~~Insensible~~ Insensible size sense.

Hoino miasma idiomiasma ~~Sc.~~ will
be mentioned in course, The Hoino miasma is
produced by decomposition of decayed vegetable
stagnant water &c. A certain degree of heat is
necessary that it may act on man about 80 degrees
Moisten is essential to produce disease, it does not
prove injurious if the low lands are completely
covered, Moisten acts by opening Pores in
the Earth and permitting the escape of noxious
vapours, keep in your house after sunset, until
rain, and also about day light,

Hoino produces inflammatory complaints requires
— bleeding the such as the bilious yellow fever & pleurisies
Miasmata produces different effects in different
parts of the body, as in the liver stomach &c. —
Black Frosts and quiet rains suspend or destroy

the bad effect of miasma.

Diomiasma is the effusion which arises from animal. It produces diseases of the Syphus kind

Lect. 37. Contagious diseases are those which affect ~~persons~~, who come in contact with the atmospheric of the sick. Infection is communicated by inoculation, Raine and Diomiasma are perfectly innocent in the stomach and in contact with the skin, but carried into the lungs produce disease. Diomiasma will not produce disease, at more than ten feet from the patient. Diseases are produced by respiration of Alkales, Hydrogen, or Carbon. Stones often produce disease in consequence of ~~soiling~~ ^{ravishing} the air, which may be remedied by putting a dish of water on the stove. Remote causes seldom produces disease without exciting ones, hence we must avoid the exciting.

Lect. 38. In this lecture the Dr. mentioned, the Epidemical disease, weaker diseases yield to stronger, sometimes however the stronger yield to the

wreaker after the stronger has continued sometime
He continued this return on the cause of Epidemic,
which are not important, but the product of
filthy stagnant water &c &c.

Comparative ^{of} Mortality.

Cities 1 in 13 or 20 die yearly
Towns 1 in 25 —

Villages 1 in 40 or 50, die yearly,

Fact B3. Persons who have passed from a healthy
situation to unhealthy often become diseased.

Chills produced by Thunder, Thunder
showers produces, provoked often by changes of
temperature which takes place after them,

Impression induced on the system produces disease,
in some, such as the men of chimney sweepers, has
been known to produce a rickets, Earthquakes prod-
uce abortion &c &c.

Hypochondriacum is increased by cloudy days,
Healthy people are not affected by the changes of
moon, but the sick are. It is said that many

sicken and die about the change of the moon,
Hemoptoe, parturition &c madly take place about
the full or ^{change} of the moon, Dr. Rush supposes it may
be owing to an increased heat about that time,
Most Diseases take place thro' the mouth and soles of
the feet, Many people suffer ill health all
their lives in consequence of being starved at
the boarding schools, There is generally an in-
creas action of the Pulse about nine of the
O clock at night hence Valetudinarians should
be advised to go to bed early. - -

Let 4 D. Cold water injures people, when
taken while heated, Laudanum is good to take
when injured by cold water, Cotton worn next
the skin is better for the health, than Linen,
Flannel is better than either, The light
kind of females are very much predispose to
disease, Eve was naked and was not ashamed
because she was innocent, our modern females
are all most naked, ~~but~~ ^{and} not ashamed, but

I fear not because of their innocence,
Well watered in cities is not so good as that
brought from rivers &c. Water drunk untreated
meals in large quantities produce dyspepsia
and Hepatitis. When you see a Physician
with a trembling hand and a red pimpled
face, lifting the poisonous draught to his
lips, say he is not a pupil of the new school,
but a martyr of the Branomicons.

Lect 41. Farmers and carpenters who
work in open air, are subject to fevers
and accidents. Manufacturies are subject
to the rheumatic diseases, in consequence of confine-
ment, Smiths are subjects to malignant
diseases, Lead disposess to nervous diseases.
Judges are subject to the gravel for not
discharging their Urine, owing to their
confinement to a situation, often lawyers are
very long tired, their exercise is sufficient
and regular.

Physicians who ride considerably are
subject to Fostiles in one. Humourous &
contingy, The Dr. disapproves of theatrical amuse-
ments, Brandy in the morning, wine
before dinner, Smoking taking snuff
chewing tobacco were elegantly often
against, Diseases are produced by unhealth-
iness, they are two, hereditary and
congenital, Consumption is derived
from the Father, Mania from the
Mother, The colour of the skin is derived
from the Father, There are fifteen diseases,
He deprecates false systems of medicine
They have slain their thousands, He asserts
there is no such a thing as truth in med-
icine Dr. H.

Lesson 42. Wounds of the head are dangerous
often a length of time after trifling at first,
hence always look to them for a considerable time
Celibacy is not favourable to old age, —

Lect 13., Separatio the art of curing disease
is founded on the knowledge of all the causes,
In this lecture was mentioned the requisit
of procuring excretion and seeing practice.

Lect 14., Alterator destroy the effects of medicine
by removing the disease to the skin, Mortal
actions should be translated to parts, that
are naturally weak. A Charron's house is
very serviceable, a partial exercise often sup-
ers disease, watch makers live to be old by
the exercise of their arms, General exercise
often arms local complaints. — — —
Trumpeters, Organists, night watchmen live to
a great age by the exercise of their lungs,
Walking low predispose to the pulmonary
consumption, Walking up and down stairs is
a good exercise, it strengthens the lungs
abtracts excitement from the head by producing
a greater action of the lower limbs, what would
be the effect of jumping in chronic Disease

There is no substitute for exercise, it is
most usefull in the open air ~~exercise~~
except in the night and before break-
fast. Change the habit of exercise.
Diggin in a garden is good for the kid-
neys disease, walking for lower limb,
habitual debility is never cured with-
out a change of occupation.

A change is necessary for health, He will
happy or unhappy by association, with
the knowledge of the existing cause,
Taking journeys is most effectual, walking
has been known to cure the consumption,
The knowledge of medicine is as drops
of the Ocean, When you travel never have
too much company, The litany should
be said, the company of banished, where the
disease has been caused by litany heretics,
A schism has been increased by talking

about it. Old men live longer by changing
the climate when a disease has taken place, in
a cold and damp air, change for a dry air will
versa. A patient may be kept in a room with
fire some months and the heat regulated as
you think proper. Never take tonic medicine
while taking a change of weather, or cur-
matrimony is a good medicine when no debility
is present. A cheerful countenance is ^{necessary} for
a physician, Carbonic acid gas is a very good stimu-
lant. Rest is a tonic remedy, from 7 to 9 hours is
necessary for debilitated patients. Half a dozen
of garlic, to a half pint of water is a good stimulant,
Why should man die of debility, when we
have tea, garlic, and some, Tea in the winter,
Snow in the summer, through the mouth, and
the sole of the feet most diseases enter the system
List 45. There are cases in which the vitality
and the irritability is prostrated, hence the most
powerfull tonics are required.

The mouth sympathies with the whole system, hence any medicine that is taken in, will more often has great effect on the system. If you wish not to get intoxicated, drink your liquor all at once, Tonic should be applied at different parts of the system, & the nerves via, by glysters, the nose, the lungs. Medicines affect the skin by stimulating the ^{sympathetic} nerves.

Tobacco has been known to excite vomiting by applying it on the inside of the thighs, the stomach, the belly, the inside of the thighs, the soles of the feet, sympathise most with the system, External stimuli affect children more than adults, There are medicines which do remove irritating substances from the system, such a Emetics, Cathartics &c. It is highly probable that mercury acts chemically on the ~~stomach~~ of the Syphilis, When substituted are used externally & ^a external application.

Sect 46. Remedies how to relieve pain.

We should be very cautious to examine before we attempt a ^{relief} of pain. Local pain. local debility, general bleeding, and abstinence. When the action is moderate, Opium may be given, when it loses its effect by the mouth, give it by the ears, Great morbid excitement, cold water, cold water to relieve pain in the remittents & gout,

Warm water often relieves pain. Oil lessens the actions of the pulse when applied internally, it has cured the Pholie, Friction by the hand, Rubifacient such as plasters, ^{be} should be put over the pain, the application of mercury should be applied near the joint disord. it will not often exonerate them, Loud exclamations relieve pain, hence never advise your patient to keep silent. When pains are periodical bark, and arsenic &c, will relieve them, Surgical operation, to relieve pain, ought to be performed slow?

Would not a large dose of Opium relieve pain
when ^{even} so as to induce coma?

Lect 47. Practice of Physic, The Objects
of Zoology, but retains the nomenclature of
diseases. The different states of the atmosphere
produces a centrifugal and centripetal
force as they affect the system. It would
be as proper to say gout, as Fevers, In this
lecture nosology was buried with all its
rubbish. The lecture was uncommonly
eloquent, - - - - -

Lect 48. Fevers of all kinds are produced
by general debility. A stimuli is applied, it
destroys the excitability hence debility takes
place, The cause of debility is the abstract-
ion of excitement or a too great a application
of stimuli. Colic also stimulates and abstracts
excitement, The blood vessels are the out part

of the system, hence they are first affected, the actions of the Blood-vessels is partly mecha-
-ical, not by the vis medicatrix nature of Cullen
A disease is not only partial in the whole system
but in its subdivision, Causes of Fever - exposure
to the cold air, by cold night preceding a warm
day, by too great labour the excitement is dimin-
ished, the excitability is not, In health there is
exact ratio - between the excitement and excitability,
in fever the balance is destroyed, There is but one
Fever, how many & where the cause of it.
The action of the arteries is irregular in disease,
it is a convulsive action, There is an unequal
distribution of the blood, you must deplete ^{with} till
the equality is restored, then is an irregular
action and stimulus may be given, Dr Brown
says Fever ~~to~~ consist in debility, Dr Rush in
a morbid excitement, Brown in an increased
natural action of the vessels, Rush in a proter-
-natural action, ~~the~~ ^{the} fever has different appearances

in consuming different materials, &c fever has different effects in proportion to the parts it affects.

Last 49. Signs of Disease, a peculiar smell of the skin, the irritative effects of stimuli taken in the stomach, a great flow of spirits, a loss of appetite for those things which in health they were fond, Remedy, Avoid excitement, sweat, rest, small bleeding, The only way to avoid an approaching fever is to submit to it, perfect rest and abstinence.

Mrs Brinot says an attention to his own presents, appears in the forming state, General evacuation thus are the most proper just before the forming state, Gentle, Emetic, small bleeding, Gentle sweat by the discharges of heat from the body, by the application of cold, Pain ^{is} always the effect of disease, disease is always partial at first, A fever generally runs its course after once settled, Medicine only prevents a relaps by obviating debility, but there

are some cases in which they are cured by Cholera morbus, sweating being doses of Opium.

Coldarium often increases a fever Dr. Rush says how to know but the fever would have terminated if the remedies had been employed, such violence medicine should not be in general employed, as their violence may destroy the patient, The duty of the physician is to help the fever in its course, Remedies of a Fever, are stimulants, and sedatives, The first sedative is Bloodletting, the blood is an irritating substance in a fever, It renders the action of mercury more certain, other Cathartics and reagents, are removed more certainly, Lect. 5th, Cathartics are improper when the violent action is not reduced, Bunges act two different ways, by quality and quantity.

Cold air and Ice, Cold air should be applied equally, Sydenham used to order his patient out of bed, it answered two purposes, being exposed to the air, and abstracting the blood from the head, Cold water is a good remedy for to cure a great morbid action in Fever, it is employed by effusion it acts first as a stimulant, then as a

then has an indirect stimulus, In most cases of
the yellow fever there was a inability to react,
hence it was generally ~~of~~ if disease, you should de-
plete before using it, It is heartfull because it
is with difficulty used, want of reaction in the
system, because it may be reduced better by deplet-
ing medicines. infusion in cold water it has
all the difficulty of diffusion, ablation is an effect
analogous to desiccating nomine the water applied in
this way should be of the lowest temperature, or
have ice added, Dr Rush found it good in delirium

The antiseptic power, by putting the part
in cold water, Dr Rush uses cold water, when
there is an exciting pulse, even when a partial
cold in some parts of the system, It is unsafe
in all diseases of the lungs from the increase
sympathy; — — —
Spirits produce a great degree of cold from the
rapid evaporation, — — —

Part B. Animal food should be avoided,
light food taken, arrowroot, oatmeal, potatoe, root
apples &c. Light should be excluded especially
when there is any tendency to delirium, conver-
sation avoided, exercise of all kinds avoided
thirst should be allayed, if water should be of use add
to it butter, toasted bread and rice, currants and
blackberry jellies, dried apples &c. Temperatures
of drinks, neither hot nor cold drinks should be
used, hot acts a direct stimul, cold as an
indirect sedative in the stomach next the
arm-pit, then the head, the skin,

Sipid water satisfies thirst better than cold,
The degree of thirst should not regulate the
quantity of liquor, Salt may be dissolved in
the mouth, After the morbid actions is in the
same degree reduced, then liquor may be taken
more largely, Do not trust to nature in this case,

Water seldom home in bilious and gouty persons.
Soda, soluble Tartar, is good in bilious fevers.
Dr. Rush prefers Emetic Tartar, Dr. Rush finds
-on is good, the Calomel should be omitted after
a Feaver or two, Senna is good remedy.
Digitalis Leaf, the external application oil
does injury says Dr. Rush, for giving a certain
-petal found to the Blood, Water implored
with vinegar has cured in the yellow fever
light ligatures applied when there is a great
monk's excitement, keep you your patient
from sleep. - - - - -

Lect 3d. The Typhus and Typhoid Fever
are not always ~~chronic~~ nor are stimulant
medicines always necessary. Emetics often cure
cure the Typhoid in forming state. There
are two actions in the blood, one in the
circulation and the other in the fibers
tissues of the blood, remedies in blood letting,

Remides. bloodletting vary cautiously in people who
live well, vomiting is generally unavoidable, to be effect-
ual, they should be given every two, or three days,
Cathartics are good when it is not of the low kind, &
and there is no bilious affection, Seter. Blister.
~~Salivation~~ ^{Applied} ~~externa~~ the whole body, If the
pulse become slow after taking stimulants continue

Low Typhus has but little or no reaction, that
takes place the blood becomes sometimes dissolved,
The remedies internally are stimulants, such as
the Bands Volat. Alkali, &c. &c. External stimulants
fomentation, Internal, Wine, this is most efficient,
given in large quantities, wine way, patients
will often take daily three bottles of wine
without drunkenness, porter is good, a bottle
two daily. Brandy. Volatile Alkali from
5 to 10 gr. a day, one dram made into pills 20.
one every few hours. Oil of amber for those
patients affection of the muscles from 5 to 10 drops
Opium has a good effect on most parts of the

system, Dr Rush considers it as a stimulant,
Opium is a proper remedy in the low Typhus,
Opium does most good services when it induces
sleep, and the patient sleeps too light, the pulse
should be examined in sleep, if they flag
they should be washed, and more Laudanum
given, Humans tincture of bark one ounce, opium
50 drops of Peppermint one ounce, & water 6
ounces, Decoction of Bark of the Willow often
succes when Bark does not, Wash infusion of
Bark and coffee are bitters,

Mercurial Ointment is excellent, ^{as good}
Lett C.B. Efficacy of meat in sick rooms, &
green floors, and meat are good for the sick,
For ventilation, Aliphatic acid. Water, Do
not let the bed be near the wall, but in the
middle of the room, never have bed, curtains,
you should always have the bed pans half filled
with cold water, the floor should be often wet

with cold water, it is better than vinegar in
warm weather, Cleanliness are of the utmost
service Conversation is often of service in the ty-
-phus fever, joy often comes.

Recital of similar cases in which the patient has
gotten well, keep the sick of their relatives
from them, and their dead friends. Give food
often and little at a time External stimulus bottle

Bottle of hot water, Immition a short time, A
strong solution of hot water and salt, Fermenta-
tion of the feet, Blister in the low Typhus
should not be used on the extremities sometimes
near the head they are of service, Cataplasm
to the feet, and legs, crotica are sometimes of
service emollient, friction are of use in low
typhus, The Epsom made of stimulating
and depleting ^{many} Light property regulated,
sound also. The effusion of cold water when
the system is not beyond the reasting point,

Stimulating remedies ^{must be} given before the effusion.
Pure air is good, the effect of pure air is wonder-
full in the cure of protracted fever. Beware of forcing
sweat in bone Typhus, Beware of given purges or
even glysters in a very low state ~~early~~ often,
except in autumn, Look to the skin, Do not
let patients sit up, remove them horizontally
Beware of the use of the warm bath to the whole
body. Cold baths in the typhus are hurtfull,
Beware of all remedies Dr. Rush has mentioned

Sect. 54., Patients die from debility for want
of cordials, even in the moment of victory.
Convalescent is a compound of debility ~~equilibrium~~
and disease, this should be guarded against by wine
& cordials, Convalescents should avoid company
current of air hissing of all histories

Tell your patients there is none changes from
relapse the from the original disease, In the
relapse the same remedies are necessary, as in the

original it ^{even} requires more efficient.
The remedies of a convalescent should be judicious.
Many have died from the timidity of the
Physician, Obstructions should be removed by
Purg., Calomel &c. Defect of appetite and
gasiness of the stomach should be removed by hark
Cess & Bloodletting of the mind should be removed by
exercise, General appetite is often very great in
convalescents, it will go off by exercise &c. Patient
should not be indulged in very stimulating food.
In Hypochondria change your dress often.

Avoid too much exercise, Many people have
been cured of all diseases they possess by ~~fevers~~ ^{fevers}
Bennamoff has been cured by fevers.

Oct. 7. 11. 14. 17. 20. these are the days
fevers generally terminate, On critical days,
the action is more violent in those days than
in other days, therefore debilitating is most proper,
Purgatives. Breathless is a good air in chronic

Syphus, but bad in billions, Distressing in
Syphus good if rare, in billions bad, Then
patients whose disease come suddenly or more
^{slow} than those which come on slowly. Less dangerous than
dangerous which come on without a cold fit
The less danger worse the sympathy is not ~~less~~
is not divided between the system. When
there is a good appetite it is indicative ^{of} deep
sited disease in the blood vessels. It is a bad
sign to have the patient to say he is well
Last ^{3d} forenoon since, paroxysm that are worse
the critical days is dangerous. Persistent fever in
pregnancy is dangerous. An intermittent pulse
is dangerous, A pulse that is about 120 in a
minute, few get well, no one get well if the
pulse is above 150 in a minute. Hemorrhage
from the stomach is most dangerous, the lungs, the
kidneys, and from the nose is dangerous, in old ulcer
very dangerous. Paroxysmal heat partial cold very dangerous

I never knew a patient get well if the wrists
is cold and the hands warm, nor about the mouth
if they occur after the 8th or 10th day the drying
of old sores unsafe, swelling of the belly is dangerous
White tongue & yellow tongue are good symptoms,
As a red smooth tongue is dangerous also a
black tongue is dangerous, the state of these
depends on the state of the bile. A dry tongue
is always unfavourable. A tongue suddenly
becoming moist is not a good sign, A natural
tongue is unfavourable also natural skin, and
pulse bad, A grieve in the countenance is bad,
Drooping and pale countenance good, convulsion
dangerous in the beginning, dangerous in last.

Sliping down in in the bed, turning on the
side while sick, after they have laid on their
backs which is generally fat, Pain when confined
to the back and limbs are seldom injurious, Pain
coming on after bleeding is a good sign, A burning

sensation of the stomach and mouth unfavourable
-noble ejection of the tongue and head is favourable,
inner smell is unfavourable, Half closed
eyes always fatal unless in the syphilitic,
involuntary tears bad, double vision animation
of the countenance bad, matter in the internal earth-
-us bad, increasing of the hearing good or bad sym-
toms, An obstinate wakefulness good, sleepfull
in the day and wakefull in the night bad
cold breath unfavourable, Unconscious
sweatings favourable, Thirst for cold water
not good, Patient sweats unfavourable, cold
sweat unfavourable, ~~patient~~ sweat unfavourable
Howling of Dogs near the sick room bad,
Urine coffee coloured bad, In the stomach with-
out long continued is bad, Strangury from
Blisters good, involuntary stool bad, forcible
vomiting is bad, Dark stools good, Pooing good,
woman discharges good or bad, appetite is bad, silent

bitterness had, the inquiry from the house
had, & desire to be removed had, & desire
of life good, staves answers bad, a presentiment of
death is always had, ---

Lect 56. Hectic Sweat, it has a specific
action therefore a specific treatment should
be necessary, it is induced by many causes, it
is a law of animal economy, that local
inflammation follows, local injury, in the
hectic sweat do relieve it, but do in inter-
mittent, urine in hectic fit is turbid, light
in the Remission, The Hectic attacks people
about the 45 year of age, It is an isolated
disease therefore the local effect must be
removed before the hectic can be cured,

Cure Bloodletting when the pulse is of
the synochus, Milk if not too nutritious
arsenic has been given, Digitalis will seldom

cure, and medicines are generally ineffectual.
Bridging is most excellent it will shake the
disease from the system, Salivation and labor
- an will cure occasionally, Night not creating
a powerfull action on the skin cure the
Hectic?. Sweet oil will often stop putresc-
- tive meat, Coffee will stop vomiting,
Septic temperature will stop vomiting 10 days
- so given ^{every} two hours on in a glyster, Carbonic
acid to ~~gutters~~ water cold water applied to
the stomach, Liver water, and milk, Large
doses of Opium, opium in glysters,

List 3⁴. Salivation is good to prevent relapses
in the yellow Fever, Blood and purge in the
Bilious Fever, Blister in the bilious fever act
like a charm after inflammatory action has
subsided in the cure of the ~~hectic~~ bilious fever,
Liquid Laudanum given just before the paroxysm

Dangerous to produce sweats &c &c. Bleeding is
necessary in malignant intermittent. The ^{fire} fumigations
of a spider will cure the intermittent. When
Bark and stimulants fail, it is because there is
congestion or inflammatory action, therefore
bleeding is necessary. Unseric from 6 to 10 drops,
three or four times in a day. Blisters are good.

Salivation ^{good} in intermittent assumes vari-
ous forms, Natylospus assumes an intermittent
form. Bark is the remedy. To prevent
sores tie a ligature above the wound
excision wrapping it in the earth, Curtis' Alkaline
sweating. Blistering are good, Giam propper
taken internally. A fever is sometimes
induced by ^{remedy} ~~recuperation~~, it is of the tartar &
gumtan type. The patient had a violent
sweat in the fever so as to induce a fog to
fill the cell. Cure bleeding. Chro vitril

~~Strengthen~~ Seven st. remedies are wanted, wine be for hæmorrhage, for the Dr. supposes there is sufficient of it in the stool, The dysentery is only an increased state of the Diarrhea The dysentery is induced by hæmorrhoids, Dysentery is a disease of high situations, It is cured by. wine, Balsam, putting a lemon upon the anus, Costiveness obviated by Cathartics.

Lect 5th. Sweating remedies are of service in ~~the~~ Dysentery, For Drinks of may be of service, Lervulento, Sassafray Ale, gum arabac, Flower boiled and made into gruel, Raw eggs good in the Dysentery, starch boiled, a sheet of paper boiled in a pint milk,

Chalk $\frac{1}{2}$ $\frac{3}{4}$, Gum arabac $\frac{2}{3}$, Cinnoman $\frac{2}{3}$
The Dr. cures the dysentery, frictions on the belly. Let the patient lay on the belly
For Tenesmus Laudanum Applied to the anus

by being cotton wool. The Dysentery
terminates in the Batanus, Favourable
symptoms yellow stools, First no mucus.

Dysentery is contagious in certain circumstan-
ces. The Dysentery is generally fatal when
left to nature. Amen. Ruth is dead. --

Medical Extracts. Vol. 2. Page 112 Note.

He has the canine or tearing teeth, the incisors
or lippers, and the grinders. Those animals that
have only the canine teeth, as the lion, &c.
have a gastric juice that does not dissolve
vegetables, and on the reverse, those that
have only the incisors and grinders, as the
horse, &c. have a gastric juice that only
dissolves vegetable substances. New Haven.

Dr. Smith Operations. while S was with him, began the first of November 1853.

1st Operation on the eye from the cataract.
Was called to a man by the name of Miller about 70 years of age, this was the second time of operating, he deprived the cataract, left Hanoine the next week don't know how it terminated.

Left Hanoine Nov 25th in the third of December just before starting was called to a man who fell off the back of a cart broke the Battle transversely, broke one arm just above the wrist, dislocated the other wrist, cut a large hole on the head and buried him in a number of other places, fell 23 feet. Head from him 5 days after was in a good way.

3rd Stopped in Wetherfield to see a young
Lady who had an ^{the lower part of} ~~erector~~ did not open
recommended an issue, white Oak and several
apple tree bark, simmered down to a pint.
the erector was very hard but could be
removed very easy.

4th Was called to Auvorth ~~W.H.~~ to
see a boy who had a Hernia on the R.
Cirriforme costernell, took out the whole
bone with the forceps, & pray he got well.
5th Was called from Chalstow ~~W.H.~~ to
Rockingham Ht. to a boy who had a Hernia
on the lower end of the R. Femoris. made
an incision about four inches there
was a great deal of matter, disengaged
the bone in two places as high up as

possible and as low down, took up one
small artery, dropped it with lint and
simple concrete. —

6th Was called to a young girl in
Northfield. Vision, ⁷ the eye, a cataract,
operated, pushed the cataract into the
anterior chamber through the pupil
this will abrake the cataract, the
girl ~~never~~ has seen, but I presume
she will ~~know~~ now. —

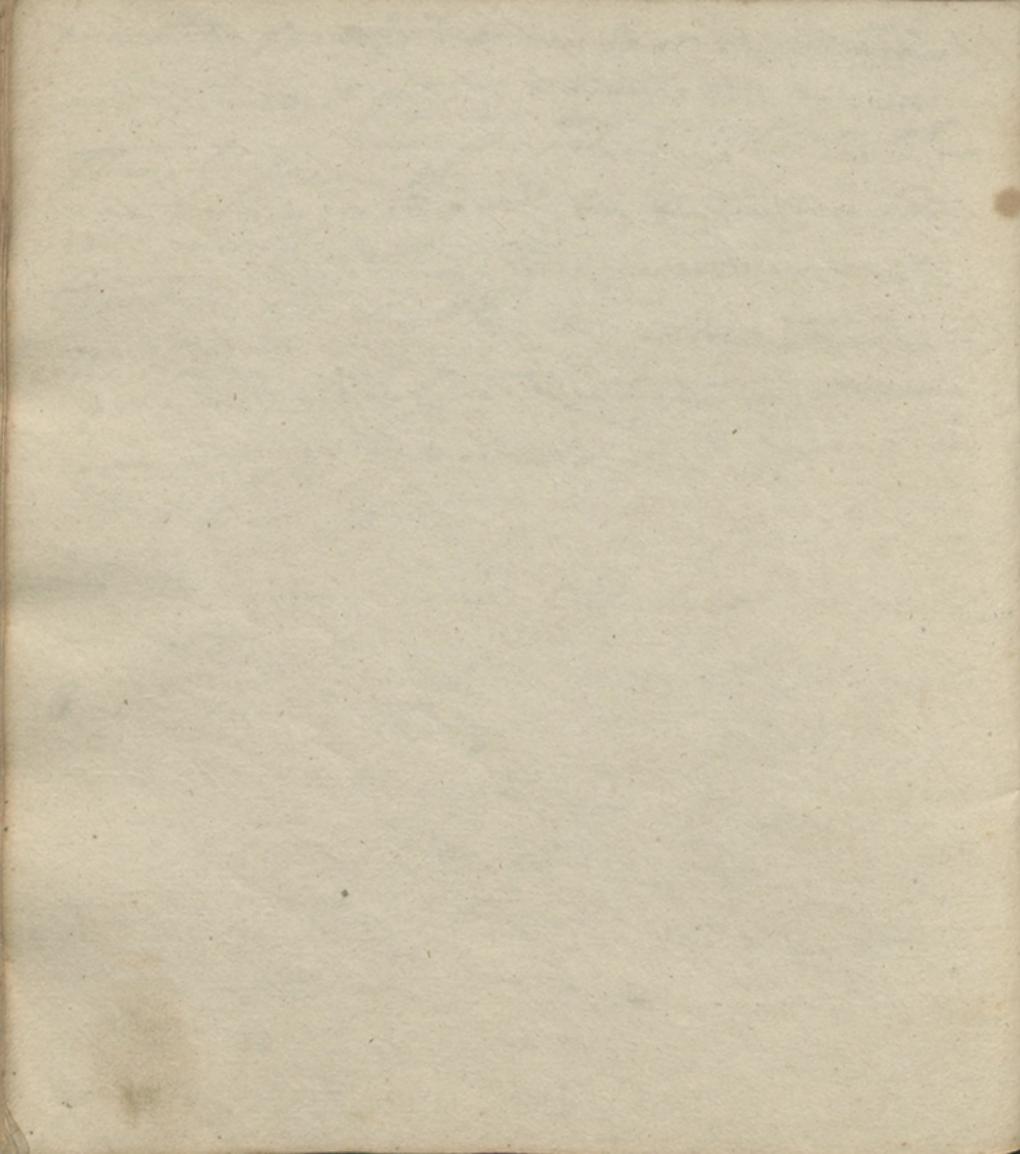
7th Was called to a boy in Suffolk
County who had a Sacrois of tibia,
operated and took out all the tibia,
the boy was about 10 years old, I fancy
he will get well.

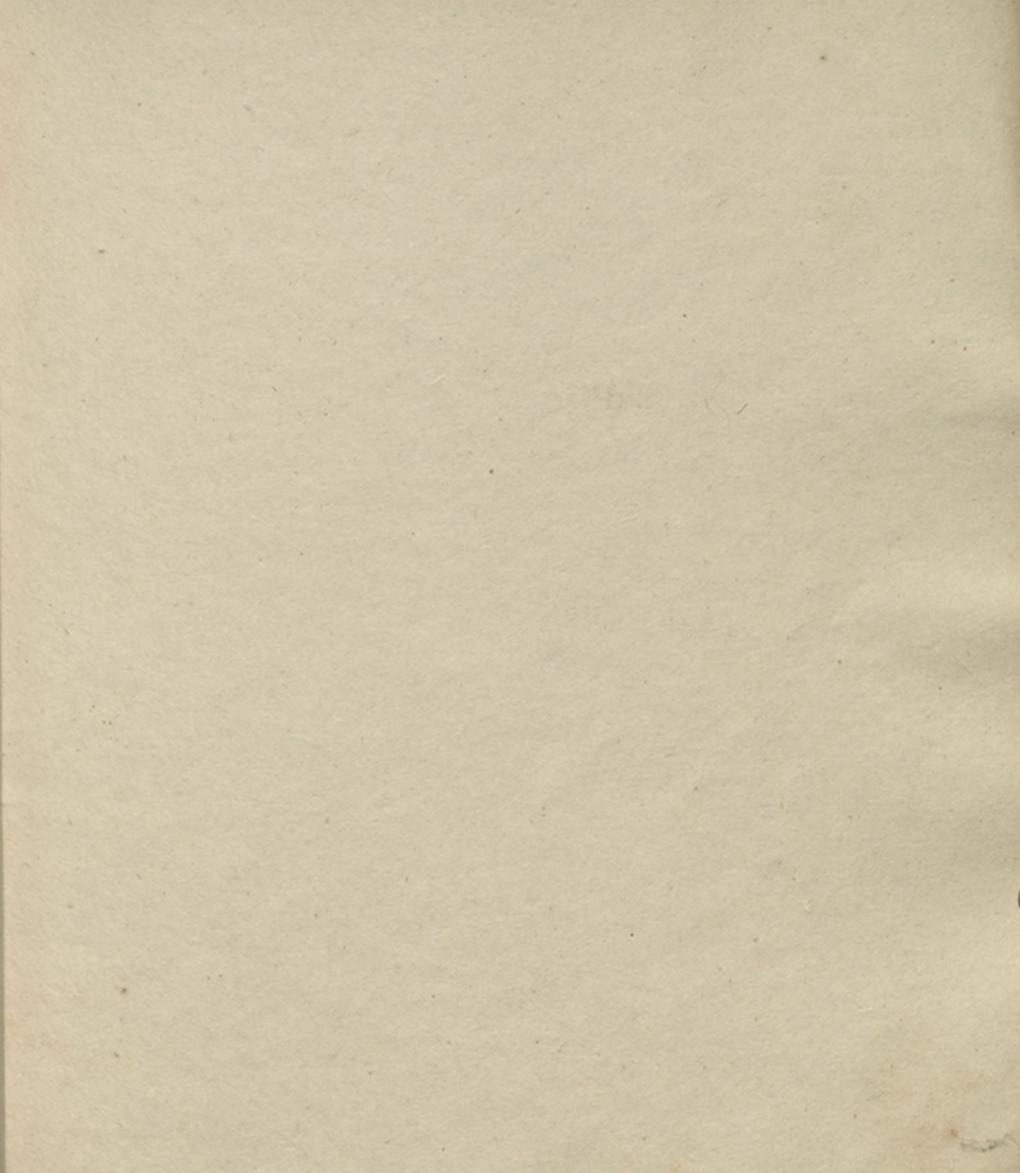
8th In Northampton Mass operated
on a young man for the varicose veins

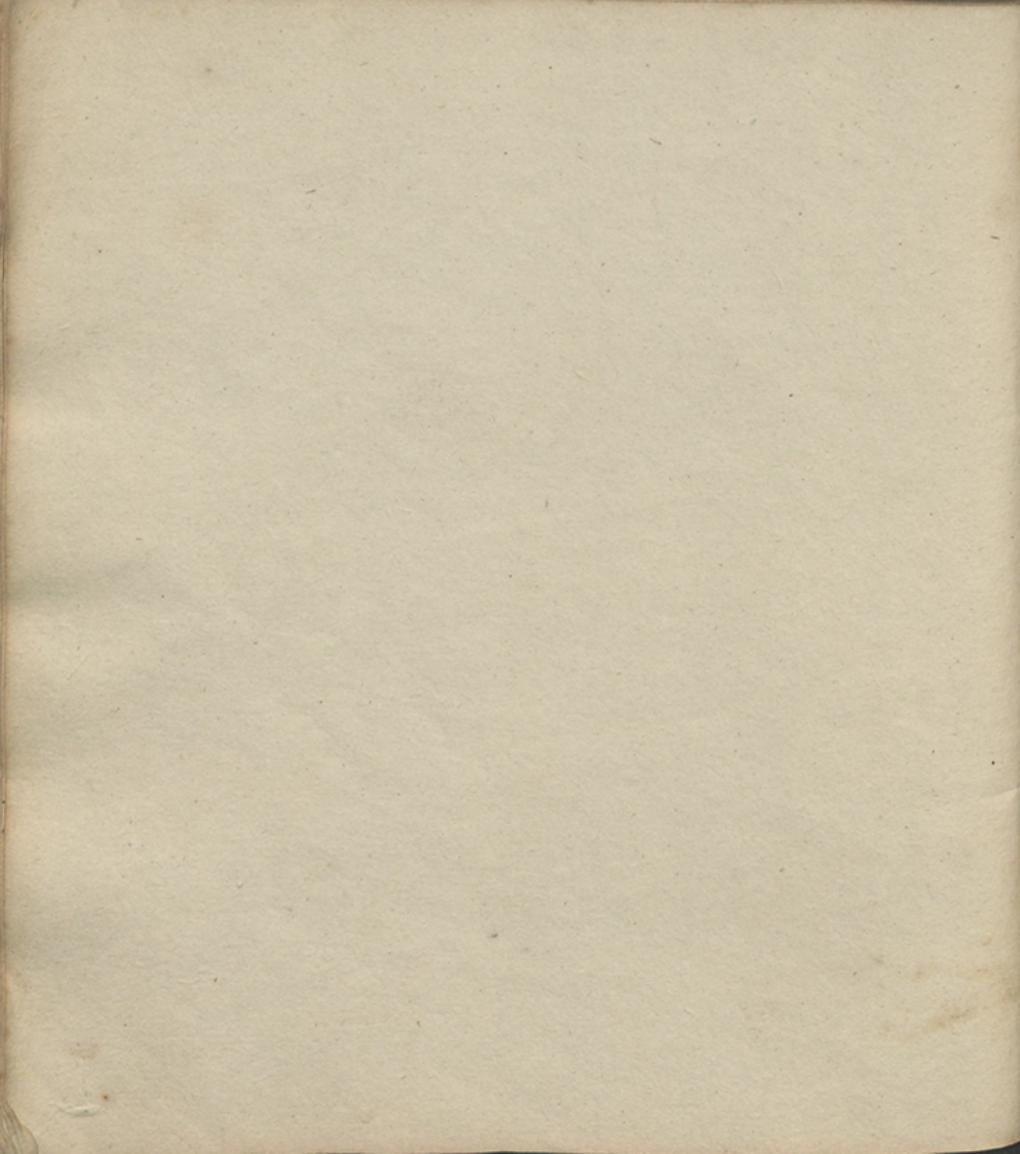
on the ~~finest~~ⁱ vein, took up to vein
and swerved the leg by a notion of
flannel from the torso to the abdomen
was much better the next morning.
Arrived at ~~Hart~~^{St.} Haven the 1st 1804.
He had a very pleasant journey.

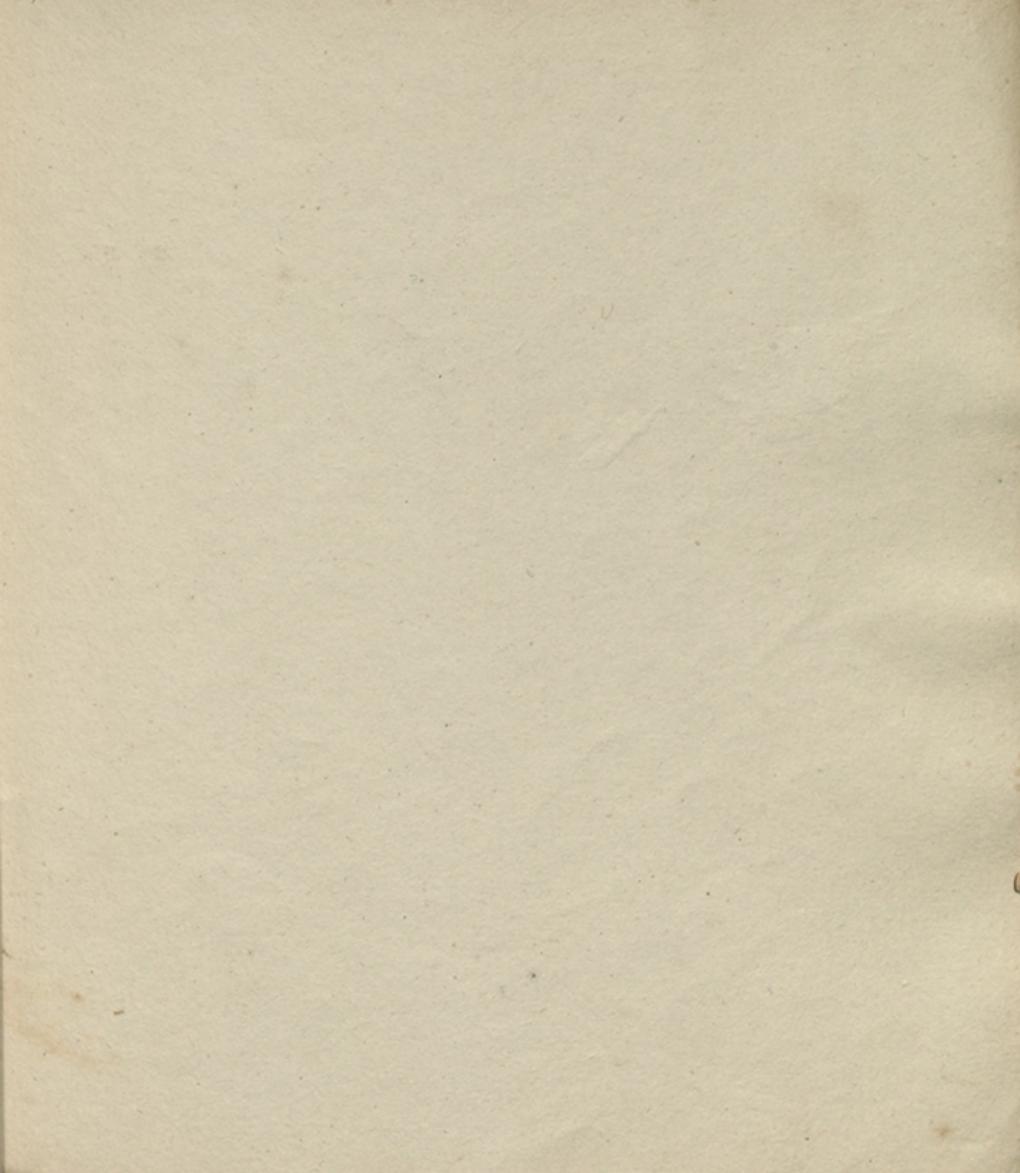
8. A young man who had ~~Ducorii~~ on
the top of tibia, was brought into the
Lecture room and had part of the bone
retracted, is in a fair way to get well.
8. Performed the operation of Hydrocaecis
in water stat ~~ad~~ Haven. He done it
by puncture with the lancet, the by
injecting with hot wine, then seaton,
fin puncture then while the water is running
put in the wine after the water has run out
inject the wine, and hold it five minutes, when
the wine is runny out put in the sutor.

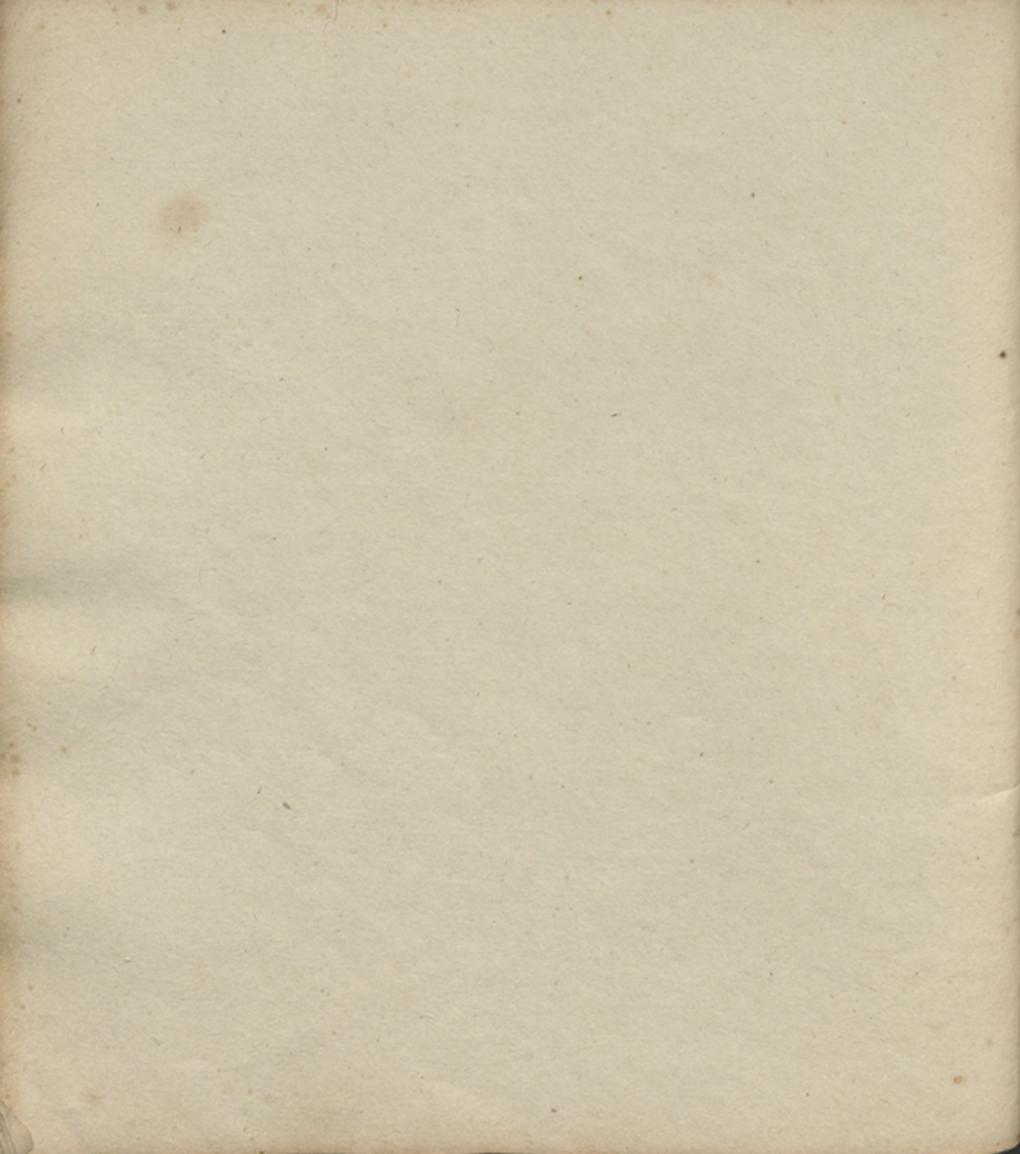
- 10 Operation for enucleated tumor on the cheek
on one of the students. It had a cyst which
was evacuated and it done well. — —
11. The same day an operation on a girl for
the same tumor, and done well. —
12. Amputation of the penis. Autopsy with
an难过, took up four arteries. It was
curious done well. will be one day

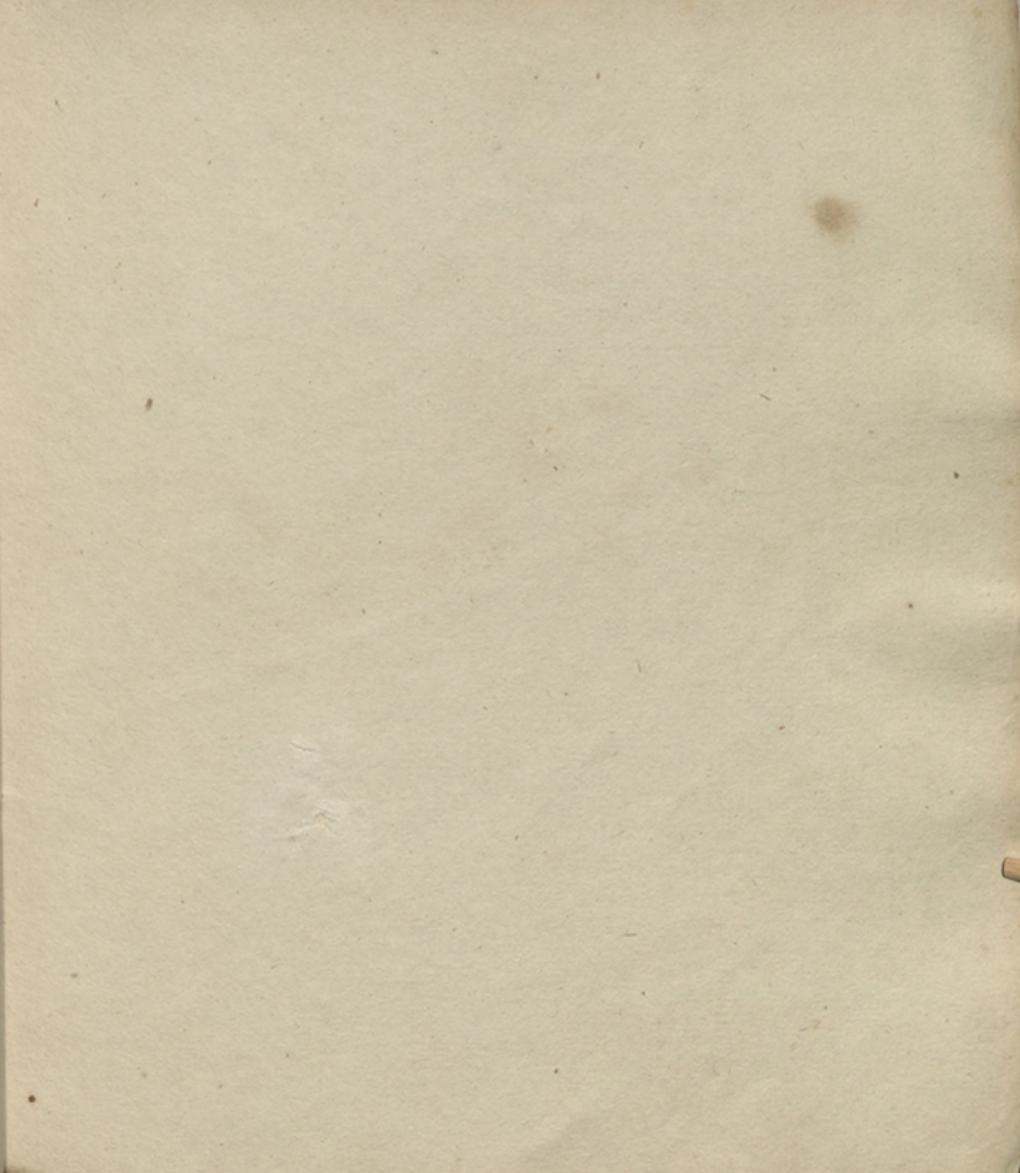


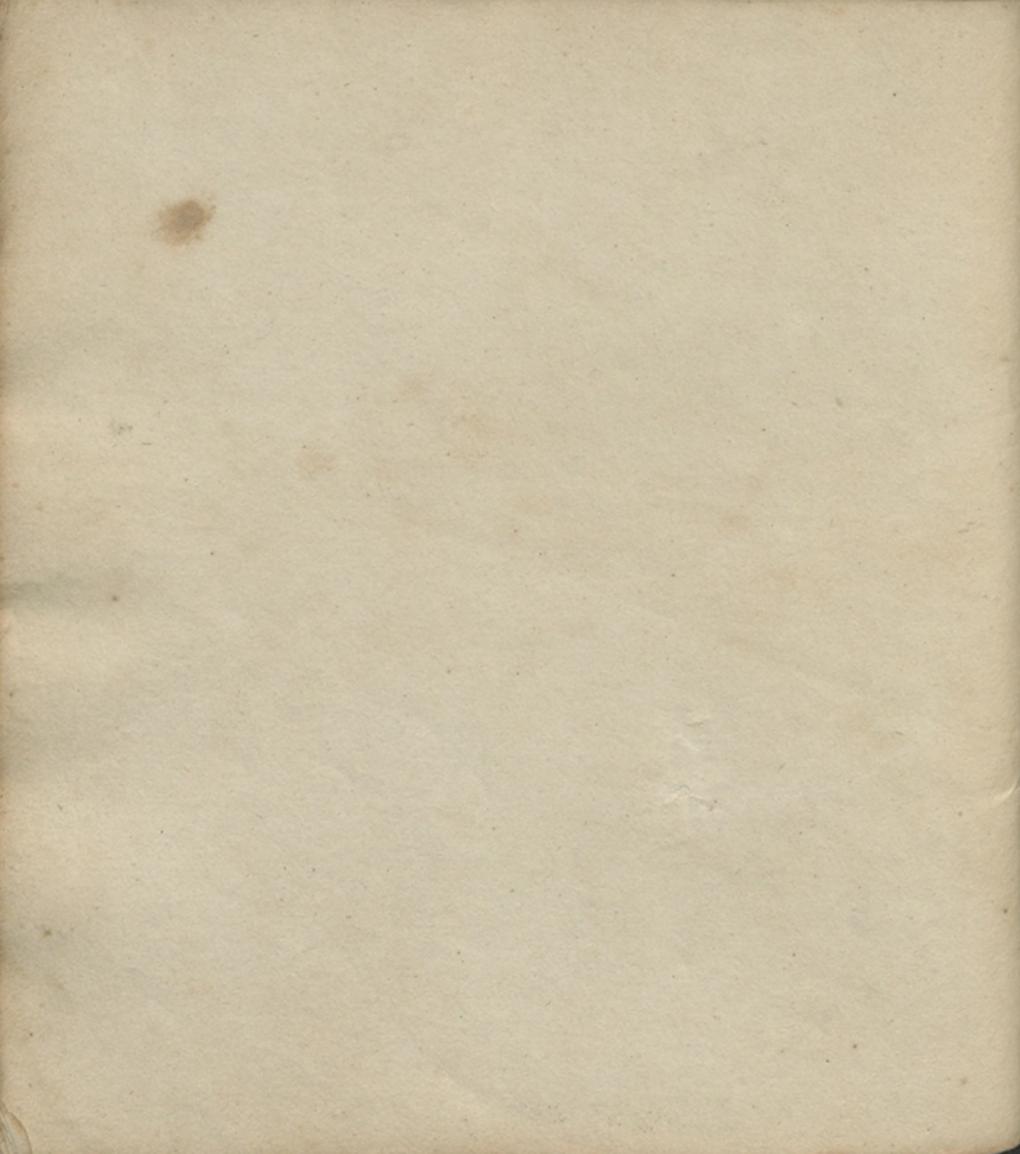


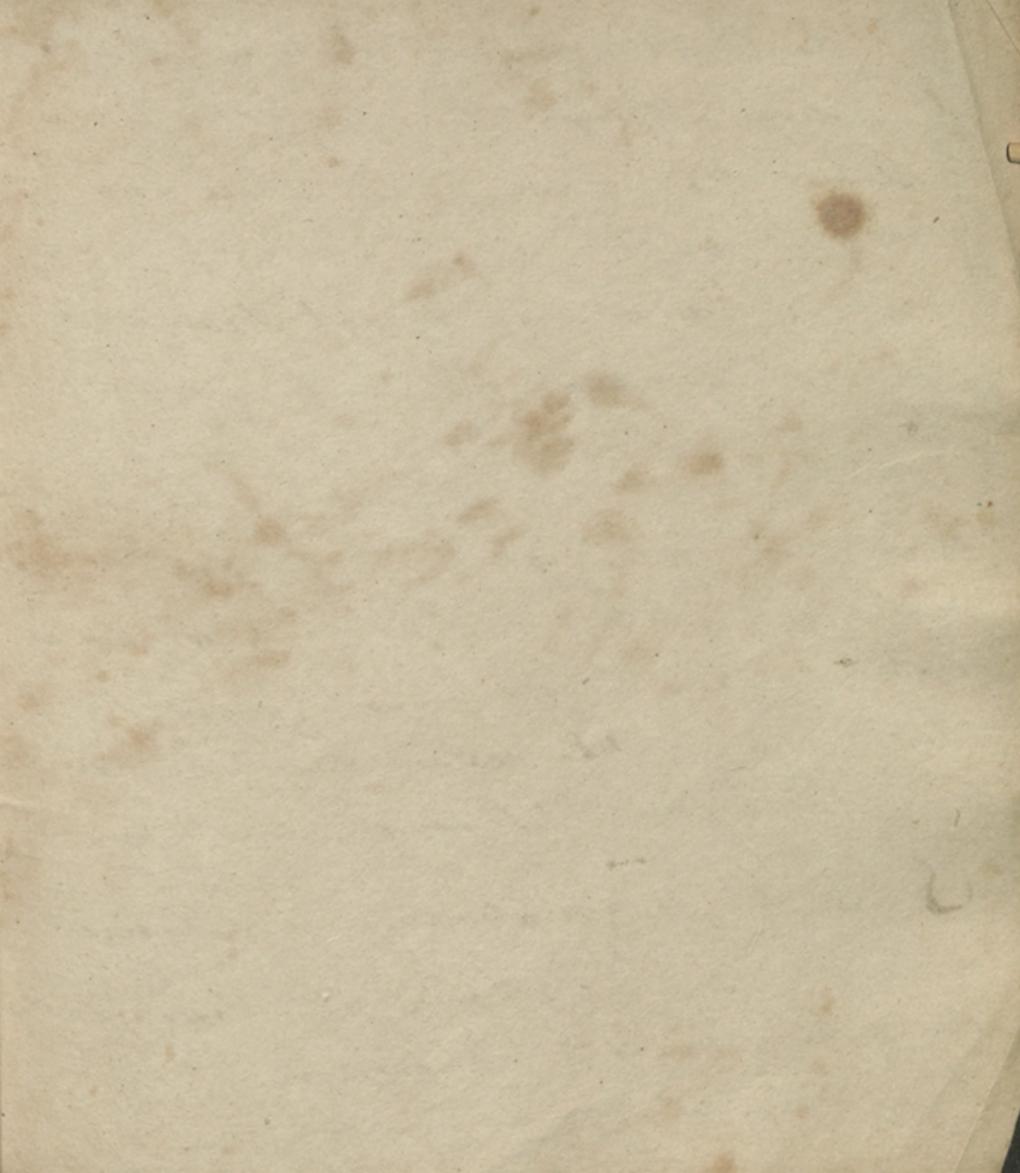












We should set a proper value on our present knowledge, although it be imperfect; and, restrain those rude hands, that are ever ready to pluck up the tender plants of science, because they do not bear ripe fruit at a season, when they can be only putting forth their blossoms, —

So we, therefore, vigorous in perception, we must look at the hasty and laborious rustic, whose turgid muscles, as in the statue of the Farnesian Hercules, can be readily distinguished through the skin, —

Thus the circulation is maintained till the silver chords are loosened, and the golden bairn is knownen at the fountain,

~~157~~
~~16~~

~~169~~
~~2~~

~~167~~ E Bond

26.7

40.00

5.00

7

~~83.72~~

2

Doctryne of Diseases.

All human diseases are the result of
the disorder of the animal economy.
The animal economy is the sum total of
all the functions of all the organs of the body.